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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,749	12/24/2003	Young-Hyun Kang	P56938	8926
<div>7590 Robert E. Bushnell Suite 300 1522 K Street, N.W. Washington, DC 20005</div>			<div>EXAMINER TANG, KAREN C</div>	
			<div>ART UNIT 2151</div>	<div>PAPER NUMBER</div>
			<div>MAIL DATE 07/11/2007</div>	<div>DELIVERY MODE PAPER</div>

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/743,749	KANG, YOUNG-HYUN	
	Examiner	Art Unit	
	Karen C. Tang	2151	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4,5,8,9 and 12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2,3,6,7,10 and 11 is/are allowed.
- 6) ☒ Claim(s) 1,4,5,8,9 and 12 is/are rejected.
- 7) ☒ Claim(s) 2,3,6,7,10 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/24/03</u> . | 6) <input type="checkbox"/> Other: _____ |

1. Claims 1-12 are presented for examination.

DETAILED ACTION

Information Disclosure Statement

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear what is the meaning of “shelf”, therefore, it is being interpreted as the memory space available in any network storage system.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 4, 5, 8, 9, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Onno et al hereinafter Onno (US 2004/0136394) in view of ~~in view~~ Applicant Admitted Prior Art (AAPA).

2. Referring to Claims 1, 5, and 9, Onno disclosed a method for batch registration of subscriber using file of an exchange, comprising:

- (a) opening a file of selected by a client terminal accessing through a network, and listing and displaying, on a graphical user interface of the client terminal, information relative to subscribers included in the file (refer to 0056);
- (b) displaying on the graphical user interface of the client terminal, shelf information of an network element which will accept the subscribers included in the file (list view panel/GUI, refer to 0056);
- (c) receiving a shelf range in the displayed network element, and displaying the shelf range on the graphical user interface of the client terminal when a mode for designing subscriber constitution by shelves is selected (refer to Fig 7, where the list of range of Port ID are listed, shell contains numerous ports, by showing the ports ID, is inherently a self, refer to 0005);
- (d) receiving a list of a range of the subscribers who will be accepted in the shelf within a designated range of the subscribers, and displaying the list on the graphical user interface of the client terminal (users, in Fig 7); and (e) transmitting a command for registering the subscribers within the designated range in the shelf within the designated range, performing batch registration of a subscriber for a corresponding shelf (refer to 0046 and Fig 4), receiving verification information for registration of the subscriber from the corresponding shelf, and displaying a result on the graphical user interface of the client terminal (refer 0044, Lines 13-17).

Although Onno disclosed the invention substantially as claimed, Onno is silent regarding the subscriber is a integrated digital loop carrier (IDLC), the file that is opened is program loaded data file (PLD), AAPA, in an analogous art disclosed the subscriber is a integrated digital loop

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carrier (IDLC), the file that is opened is program loaded data file/PLD (refer to 0003 and 0013).

Hence, providing features disclosed by AAPA, would be desired for use because it is suitable for high speed intelligent telephone service, reduces expenses for building a switched network by at least 30-40% relative to the expenses of a universal digital carrier, and rapidly starts a service.

Therefore, at the time of the invention, it would have been obvious to one of ordinary skill in the art to have modified the system of Onno by including the features which provides faster services and reduces expenses.

3. Referring to Claims 4, 8 and 12, wherein step (b) comprises displaying a lists of shelves of the element, a number of slots in a subscriber line unit set up in each shelf, and a total number of available ports (refer to Fig 7, which demonstrates the total number of available ports, target ID vs status, it is obvious to demonstrate the number of slots, refer to 0005, lines 9-12),

Allowable Subject Matter

Claims 2, 3, 6, 7, 10 and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

A set of claims 2, 6, and 10, that contains limitations of "wherein the storing and display means opens the program loaded data (PLD) file of the exchange, stores the subscriber data in a memory in the form of a table, displays the subscriber data stored in the table in a first area of the graphical user interface of the client terminal, and extracts and displays, in a second area of the graphical user interface of the client terminal, V5IDs and L3 addresses of each subscriber from

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the subscriber data stored in the table”, and if rewritten in the independent form, which will be including the limitations of its independent claims, would be then allowable.

A set of claims 3, 7 and 11, that contains limitations of “wherein the table comprises subscriber information to enable an operator to search each subscriber data, confirm whether subscribers are PSTN subscribers or general telephone, and display a result to as to register the subscribers in the corresponding shelf”, and if rewritten in the independent form, which will be including the limitations of its independent claims, would be then allowable.

Conclusion

4. **Examiner’s Notes:** Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner. In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

5. A shortened statutory period for reply to this Office action is set to expire THREE MONTHS from the mailing date of this action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen C. Tang whose telephone number is (571)272-3116. The examiner can normally be reached on M-F 7 - 3.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Valencia Martin-Wallace can be reached at 571-272-3440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Karen Tang

Valencia Martin-Wallace
SPE ART UNIT 2151